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| 09/706,792 | 11/07/2000 | Won-Uk Yu | P-148 | 8343 |
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| FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153 | | | LONSBERRY, HUNTER B | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2611 | |

DATE MAILED: 03/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/706,792

Applicant(s)

YU, WON-UK

Examiner

Hunter B. Lonsberry

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 December 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 2, 21, 23-25, 31 and 33-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1, 2 and 36 is/are allowed.
- 6) ☒ Claim(s) 21, 23-25, 31 and 33-35 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 12/8/05 have been fully considered but they are not persuasive.

Applicant argues that Sampsell fails to teach transmitting an encoded signal to a PC, wherein the encoded signal output from the television circuit data includes data for controlling a function preformed by the PC, and the PC performing the function of the PC accorded to the decoded signal as claimed in claim 21 and using similar claim language in claim 31 (Pages 10-11).

Regarding applicant's argument, Sampsell discloses transmitting an encoded signal to a PC, wherein the encoded signal output from the television circuit data includes data for controlling a function preformed by the PC (column 6, lines 33-column 7, line 8, access to a PC data service processed by PC 54 which may be outputted on receiver 12), and the PC performing the function of the PC accorded to the decoded signal (column 6, lines 33-column 7, line 8, providing access to a PC data service processed by PC 54 which may be outputted on receiver 12). Thus, Sampsell teaches each and every limitation of claims 21 and 31.

Applicant's failure to traverse the Official Notice(s) of the previous office action is taken as admission of prior art.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose not sufficiently suggest an apparatus and method in which control signals including at least one of a mouse signal, keyboard signal and control signals for controlling a computer are generated in a television, and generating a first packed signal by using the encoded control signals as claimed in claims 1 and 36.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claims 1-2 and 36 are allowed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 21 and 31 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,219,839 to Sampsell.

Regarding claim 21, Sampsell discloses a method comprising:

Encoding a signal output from a television circuit of a television (column 4, lines 5-11, 44-62, column 6, lines 11-20, ERG and control commands to request content from the PC via IEEE 1394)

Sending the encoded signal to a personal computer (IEEE 1394 interface, column 5, line 67-column 6, line 6, 33-57)

Wherein the encoded signal output from the television circuit includes data for controlling a function preformed by the personal computer (column 6, lines 33-column 7, line 8, access to a PC data service processed by PC 54 which may be outputted on receiver 12)

Receiving the signal sent from the television (column 6, lines 33-57),

Decoding the received signal for input into a circuit of the personal computer (column 6, lines 33-57),

Performing the function of the personal computer according to the decoded signal (column 6, lines 33-57).

Regarding claim 31, Sampsell discloses a system (Figure 1, 2), comprising:

a first interface unit coupled to a television (column 4, lines 5-11, 44-62, column 6, lines 11-20, ERG and control commands to request content from the PC via IEEE 1394);

a second interface unit coupled to a personal computer (PC 54 may output video to the TV or data content column 5, lines 40-57);

wherein the first interface unit sends a first signal generated in the television to the personal computer over a communications link (IEEE 1394 transmission line column 5, line 67-column 6, line 6 33-57) and the first signal controls a function preformed by the personal computer (column 6, lines 33-column 7, line 8, access to a PC data service processed by PC 54 which may be outputted on receiver 12) and the second interface unit sends a second signal generated in the personal computer to the television over the communications link (column 6, lines 54-58, the ESPN data server is rendered on receiver 12) and the second signal includes a monitor display signal to be played on the television (column 6, lines 54-58, the ESPN data server is rendered on receiver 12).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 24, 25 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,219,839 to Sampsell.

Regarding claims 24, 25 and 35, Sampsell discloses transmitting information from a TV to a PC.

Sampsell does not disclose the use of a wireless interface for transmission.

The examiner takes official notice that the use of a wireless transmission interface is notoriously well known in the art (for example, WLAN, Bluetooth). Wireless interfaces allow communications between devices located in different rooms without the user having to lay cable to connect the devices.

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify Sampsell to utilize a wireless interface for transmission, thus providing a user with an easy way to communicate between devices without having to lay cable.

5. Claims 23 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,219,839 to Sampsell in view of U.S. Patent 5,850,340 to York.

Regarding claims 23 and 33, Sampsell discloses a computer and TV operation method in which a step of

outputting control data from the television to the PC (column 5, lines 45-57, column 6, lines 40-57) via the use of a remote control (column 7, lines 38-45) occurs.

Sampsell does not disclose outputting mouse data or keyboard data to the computer.

York discloses a PC1 which receives commands from a remote mouse 14 and keyboard 13, which control both the display of TV 11 and PC 1, video and audio is transmitted to NTSC encoder 9 which then transmits it to TV 11 via RF transmitter 10 and receiver 15, additionally a cable modem 26 within base unit module 12, transmits cable modem data received from a cable outlet near TV 11, to a cable modem receiver 27 within computer module 5, the data is then relayed to PC 1 to be processed (column 4, lines 9-column 5, line 4, column 7, line 55-column 8, line 24), thus providing an enhanced user experience by presenting audio and providing an easy interface to control a computer.

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify the Sampsell to transmit audio and utilize a keyboard and mouse as taught by York, thus providing an enhanced user experience by presenting audio and providing an easy interface to control a computer.

6. Claim 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,219,839 to Sampsell in view of U.S. Patent 6,567,032 to Mullaly.

Regarding claim 34, Sampsell discloses transmitting control commands to a PC from a TV.

Sampsell fails to disclose utilizing a microphone.

Mullaly discloses that the remote control may receive voice input commands (column 8, lines 8-14), thus providing an easy to use interface. Mullaly inherently makes use of a microphone, as a microphone is required to receive a voice signal prior to converting it into a computer readable format for manipulation.

Therefore it would have been obvious to one skilled in the art at the time of invention to modify Sampsell to utilize a microphone as taught by Mullaly, thus providing an easy to use interface.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 6,084,638 to Hare: Computer Interface Extension System and Method.

U.S. Patent 6,239,845 to Itagaki: Television Receiver and Receiving Method Thereof.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hunter B. Lonsberry whose telephone number is 571-272-7298. The examiner can normally be reached on Monday-Friday during normal business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HBL



JOHN MILLER
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